

SUB A1  
What is claimed is:

- 1 1. A method of maintaining software on a computer system,
- 2 comprising the steps of:
- 3 bringing up first and second host sessions on a computer system;
- 4 starting in said first host session, a software recording
- 5 application having data on first maintenance items applied to
- 6 said computer system;
- 7 starting in said second host session, a database application
- 8 having a database of second maintenance items including
- 9 prerequisite items and corequisite items corresponding to each of
- 10 said second maintenance items;
- 11 activating a maintenance application on said computer system;
- 12 entering a first list of third maintenance items in said
- 13 maintenance application;
- 14 searching said database for said prerequisite items and
- 15 corequisite items corresponding to each of said third maintenance
- 16 items on said first list, and adding said corresponding
- 17 prerequisite items and corequisite items to said first list;

18 thereafter determining from said software recording application  
19 which items on said first list have already been received, and  
20 adding those items not received to an order list; and

21 ordering, receiving, and applying said items on said order list.

1 2. The method of claim 1, wherein said computer system is a  
2 mainframe.

1 3. The method of claim 1, wherein said computer system further  
2 comprises an operating system.

1 4. The method of claim 3, wherein said computer system further  
2 comprises network software.

1 5. The method of claim 1, wherein said software recording  
2 application tracks what software has been put on or taken off  
3 said computer system.

1 6. The method of claim 1, wherein said database application is a  
2 service link.

1 7. The method of claim 1, wherein said receiving step further  
2 comprises storing said items on said order list in a file on said  
3 computer system.

1 8. The method of claim 1, wherein said applying step further  
2 comprises updating said software on said computer system with  
3 said items on said order list.

1 9. A system for maintaining software on a computer system,  
2 comprising:  
3 means for bringing up first and second host sessions on a  
4 computer system;  
5 a software recording application having data on first maintenance  
6 items applied to said computer system;  
7 a database application having a database of second maintenance  
8 items including prerequisite items and corequisite items  
9 corresponding to each of said second maintenance items;  
10 a maintenance application having a first list of third  
11 maintenance items;  
12 means for searching said database for said prerequisite items and  
13 corequisite items corresponding to each of said third maintenance  
14 items on said first list, and adding said corresponding  
15 prerequisite items and corequisite items to said first list;  
16 means for thereafter determining from said software recording  
17 application which items on said first list have already been  
18 received, and adding those items not received to an order list;  
19 and  
20 means for ordering, receiving, and applying said items on said  
21 order list.

1 10. The system of claim 9, wherein said computer system is a  
2 mainframe.

1 11. The system of claim 9, wherein said computer system further  
2 comprises an operating system.

1 12. The system of claim 9, wherein said computer system further  
2 comprises network software.

1 13. The system of claim 9, wherein said recording application  
2 tracks what software has been put on or taken off said computer  
3 system.

1 14. The system of claim 9, wherein said database application is a  
2 service link.

1 15. The system of claim 9, further comprising means for storing  
2 said items on said order list in a file on said computer system.

1 16. The system of claim 9, further comprising means for updating  
2 said software on said computer system with said items on said  
3 order list.

1 17. A computer system for maintaining software, said system  
2 comprising:

3 means for bringing up first and second host sessions on a  
4 computer system;

5 means for starting in said first host session, a software  
6 recording application having data on first maintenance items  
7 applied to said computer system;

8 means for starting in said second host session, a database  
9 application having a database of second maintenance items  
10 including prerequisite items and corequisite items corresponding  
11 to each of said second maintenance items;

12 means for activating a maintenance application on said computer  
13 system;

14 means for entering a first list of third maintenance items in  
15 said maintenance application;

16 means for searching said database for said prerequisite items and  
17 corequisite items corresponding to each of said third maintenance  
18 items on said first list, and adding said corresponding  
19 prerequisite items and corequisite items to said first list;

20 means for thereafter determining from said software recording  
21 application which items on said first list have already been  
22 received, and adding those items not received to an order list;  
23 and

24 means for ordering, receiving, and applying said items on said  
25 order list.

1 18. A computer program product for instructing a processor to  
2 maintain software, said computer program product comprising:

3 a computer readable medium;

4 first program instruction means for bringing up first and second  
5 host sessions on a computer system;

6 second program instruction means for starting in said first host  
7 session, a software recording application having data on first  
8 maintenance items applied to said computer system;

9 third program instruction means for starting in said second host  
10 session, a database application having a database of second  
11 maintenance items including prerequisite items and corequisite  
12 items corresponding to each of said second maintenance items;

13 fourth program instruction means for activating a maintenance  
14 application on said computer system;

15 fifth program instruction means for entering a first list of  
16 third maintenance items in said maintenance application;

17 sixth program instruction means for searching said database for  
18 said prerequisite items and corequisite items corresponding to  
19 each of said third maintenance items on said first list, and  
20 adding said corresponding prerequisite items and corequisite  
21 items to said first list;

